Contents

Albrecht, K. H., s. Gaehtgens, P., et al. 115

Arlock, P.
The Influence of the Surface Electrogram on the Rising Phase of the Mammalian Cardiac Action Potential 139

Banchero, N., s. Ripoll, E., et al. 153

Barr, L., Dewey, M. M., Berger, W.
Action Potentials Can Propagate along Small Strands of Smoth Muscle 165

Bauer, R. D., Busse, R., Schabert, A., Summa, Y., Wetterer, E.
Separate Determination of the Pulsatile Elastic and Viscous Forces Developed in the Arterial Wall in vivo 221

Belardinelli, L., Rubio, R., Berne, R. M.
Blockade of Ca^{2+} Dependent Rat Atrial Slow Action Potentials by Adenosine and Lanthanum 19

Belcastro, A. N., s. Bonen, A., et al. 205

Belmonte, C., s. Gallego, R. 53

Berg, R. G. M. ten, Jong, W. de
Time Course of the Enhanced Blood Pressure Response to Reinduction of Renal Artery Stenosis in Unclipped Renal Hypertensive Rats 133

Berger, W., s. Barr, L., et al. 165

Berne, R. M., s. Belardinelli, L., et al. 19

Birnberger, K. L., s. Dengler, R., et al. 145

Bonen, A., Campbell, C. J., Kirby, R. L., Belcastro, A. N.
A Multiple Regression Model for Blood Lactate Removal in Man 205

Bonjour, J.-P., s. Stoll, R., et al. 47

Brice, J. E. H., s. Thompson, J., et al. 197

Bucher, P., s. Dallmer, H., et al. 99

Bünger, R., Sommer, O., Walter, G., Stiegler, H., Gerlach, E.
Functional and Metabolic Features of an Isolated Perfused Guinea Pig Heart Performing Pressure-Volume Work 259

Busse, R., s. Bauer, R. D., et al. 221

Caflisch, C. R., Solomon, S., Galey, W. R.
Exocrine Ductal pCO_2 in the Rabbit Pancreas 121

Camerer, H., s. Richter, D. W., et al. 245

Campbell, C. J., s. Bonen, A., et al. 205

Claudon, F., s. Reichart, E. 105

Cohen, Y., s. Prioux-Guyonneau, M., et al. 127

Costagliola, D., s. Stupfel, M. 189

Cretet, E., s. Prioux-Guyonneau, M., et al. 127

Dallmer, H., Derks, M., Bucher, P., Meesmann, W.
Construction and Function of a New Hydraulic Cuff Occluder 99

De Mello, W. C.
Effect of 2-4-Dinitrophenol on Intercellular Communication in Mammalian Cardiac Fibres 267

Dengler, R., Rüdel, R., Warelas, J., Birnberger, K. L.
Corticosteroids and Neuromuscular Transmission: Electrophysiological Investigation of the Effects of Prednisolone on Normal and Anticholinesterase-Treated Neuromuscular Junction 145

Derks, M., s. Dallmer, H., et al. 99

Dewey, M. M., s. Barr, L., et al. 165

Dieringer, N., Precht, W.
Timing of Bilateral Cerebellar Output Evoked by Unilateral Vestibular Stimulation in the Frog 79

Dlouhá, H., Teisinger, J., Vyskočil, F.
Activation of Membrane Na^+/K^+-ATPase of Mouse Skeletal Muscle by Acetylcholine and Its Inhibition by α-Bungarotoxin, Curare and Atropine 101

Dörrscheidt-Käfer, M.
Excitation-Contraction Coupling in Frog Sartorius and the Role of the Surface Charge Due to the Carboxyl Group of Sialic Acid 171

Dörrscheidt-Käfer, M.
The Interaction of Ruthenium Red with Surface Charges Controlling Excitation-Contraction Coupling in Frog Sartorius 181

Driessen, G. K., Heidtmann, H., Schmid-Schönbein, H.
Effect of Hemodilution and Hemoconcentration on Red Cell Flow Velocity in the Capillaries of the Rat Mesentery 1

Farsang, C., Kerényi, Á., Takács, L.
Regulation of Myocardial Oxygen Consumption by Perfusion Pressure in Isolated Fibrillating Canine Heart 211

Fleisch, H., s. Stoll, R., et al. 47

Frans, A., Turek, Z., Yokota, H., Kreuzer, F.
Effect of Variations in Blood Hydrogen Ion Concentration on Pulmonary Gas Exchange of Artificially Ventilated Dogs 35

Gaehtgens, P., Pries, A., Albrecht, K. H.
Model Experiments on the Effect of Bifurcations on Capillary Blood Flow and Oxygen Transport 115

Galey, W. R., s. Caflisch, C. R., et al. 121

Gallego, R., Belmonte, C.
The Effects of Blood Osmolality Changes on Cat Carotid Body Chemoreceptors in vivo 53

Gerlach, E., s. Bünger, R., et al. 259

Graf, R., Necker, R.
Cyclic and Non-Cyclic Variations of Spinal Cord Temperature Related with Temperature Regulation in Pigeons 215

Gupta, B. N., Nier, K., Hensel, H.
Cold-Sensitive Afferents from the Abdomen 203

Hayslett, J. P., Kashgarian, M.
A Micropuncture Study of the Renal Handling of Lithium 159

Heidtmann, H., s. Driessen, G. K., et al. 1

Hensel, H., s. Gupta, B. N., et al. 203

Hossmann, K.-A., s. Leniger-Follert, E. 85

Isenberg, G.
Risk and Advantages of Using Strongly Beveled Microelectrodes for Electrophysiological Studies in Cardiac Purkinje Fibers 91

Ishikawa, Y., s. Nakayama, T., et al. 59

Iwatsuki, N., Petersen, O. H.
Direct Visualization of Cell to Cell Coupling: Transfer of Fluorescent Probes in Living Mammalian Pancreatic Acini 277

Jacquot, C., s. Prioux-Guyonneau, M., et al. 127

Johnstone, B. M., s. Robertson, D. 7

Jong, W. de, s. Berg, R. G. M. ten 133

Kain, H., s. Mason, J., et al. 233

Kashgarian, M., s. Hayslett, J. P. 159

Kerényi, Á., s. Farsang, C., et al. 211

Kerrick, W. G. L., s. Robertson, S. P. 41

Kerrick, W. G. L., s. Su, J. Y. 29

Kinne, R., s. Stoll, R., et al. 47

Kirby, R. L, s. Bonen, A., et al. 205

Kreuzer, F., s. Frans, A., et al. 35

Kruszyna, R., s. Smith, R. P., et al. 65

Kurdy, N. M. G., s. Thompson, J., et al. 197

Leniger-Follert, E., Hossmann, K.-A.
Simultaneous Measurements of Microflow and Evoked Potentials in the Somatomotor Cortex of the Cat Brain During Specific Sensory Activation 85

Mason, J., Kain, H., Shiigai, T., Welsch, J.
The Early Phase of Experimental Acute Renal Failure. V. The Influence of Suppressing the Renin-Angiotensin System 233

Meesmann, W., s. Dallmer, H., et al. 99

Meesmann, M., s. Richter, D. W., et al. 245

Munday, K. A., s. Rowe, B. P., et al. 13; 285

Murer, H., s. Stoll, R., et al. 47

Nakayama, T., Ishikawa, Y., Tsurutani, T.
Projection of Scrotal Thermal Afferents to the Preoptic and Hypothalamic Neurons in Rats 59

Necker, R., s. Graf, R. 215

Nier, K., s. Gupta, B. N., et al. 203

Niijima, A., s. Sakaguchi, T., et al. 283

Noble, A. R., s. Rowe, B. P., et al. 13; 285

Oliver, J. R., Wareham, A. C.
Effects of Denervation on Resting Membrane and Action Potentials of Neonate Rat Fast and Slow Twitch Muscles 111

Ou, L.-C., s. Smith, R. P., et al. 65

Petersen, O. H., s. Iwatsuki, N. 277

Pott, L.
On the Time Course of the Acetylcholine-Induced Hyperpolarization in Quiescent Guinea-Pig Atria 71

Precht, W., s. Dieringer, N. 79

Pries, A., s. Gaehtgens, P., et al. 115

Prioux-Guyonneau, M., Cretet, E., Jacquot, C., Rapin, J. R., Cohen, Y.
The Effect of Various Simulated Altitudes on the Turnover of Norepinephrine and Dopamine in the Central Nervous System of Rats 127

Rapin, J. R., s. Prioux-Guyonneau, M., et al. 127

Reichart, E., Claudon, F.
Intracellular pH Changes During Experimental Sustained Hypercapnia 105

Richter, D. W., Camerer, H., Meesmann, M., Röhrig, N.
Studies on the Synaptic Interconnection Between Bulbar Respiratory Neurones of Cats 245

Ripoll, E., Sillau, A. H., Banchero, N.
Changes in the Capillarity of Skeletal Muscle in the Growing Rat 153

Robertson, D., Johnstone, B. M.
Effects of Divalent Cations on Spontaneous and Evoked Activity of Single Mammalian Auditory Neurones 7

Robertson, S. P., Kerrick, W. G. L.
The Effects of pH on Ca^{2+}-Activated Force in Frog Skeletal Muscle Fibers 41

Röhrig, N., s. Richter, D. W., et al. 245

Rowe, B. P., Noble, A. R., Munday, K. A.
Cross-Tachyphylaxis of the Pressor Response to Angiotensins in Conscious Rabbits 13

Rowe, B. P., Noble, A. R., Munday, K. A.
Cross-Tachyphylaxis of the Pressor Response to Angiotensins in Conscious Rabbits
Pflügers Arch. **380**, 13–17 (1979) 285

Rubio, R., s. Belardinelli, L., et al. 19

Rüdel, R., s. Dengler, R., et al. 145

Sakaguchi, T., Warashina, A., Niijima, A.
Production of Elastic Electrodes for Nerve Stimulation 283

Schabert, A., s. Bauer, R. D., et al. 221

Schmid-Schönbein, H., s. Driessen, G. K., et al. 1

Shiigai, T., s. Mason, J., et al. 233

Sillau, A. H., s. Ripoll, E., et al. 153

Smith, R. P., Kruszyna, R., Ou, L.-C.
Hemoglobinemia in Mice Exposed to High Altitude 65

Solomon, S., s. Caflisch, C. R., et al. 121

Sommer, O., s. Bünger, R., et al. 259

Stiegler, H., s. Bünger, R., et al. 259

Stoll, R., Kinne, R., Murer, H. Fleisch, H., Bonjour, J.-P.
Phosphate Transport by Rat Renal Brush Border Membrane Vesicles: Influence of Dietary Phosphate, Thyroparathyroidectomy, and 1,25-Dihydroxyvitamin D_3 47

Stupfel, M., Costagliola, D.
Lifelong Variations in Heart Rates in SPF Sprague Dawley Rats of Both Sexes. Statistical Correlations with Body Weights 189

Su, J. Y., Kerrick, W. G. L.
Effects of Halothane on Caffeine-Induced Tension Transients in Functionally Skinned Myocardial Fibers 29

Summa, Y., s. Bauer, R. D., et al. 221

Takács, L., s. Farsang, C., et al. 211

Teisinger, J., s. Dlouhá, H., et al. 101

Thompson, J., Brice, J. E. H., Kurdy, N. M. G., Walker, C. H. M.
A Modified Open-Circuit Method for Estimation of Oxygen Consumption and Carbon Dioxide Excretion in Adults, Infants and Small Animals 197

Trayhurn, P.
Thermoregulation in the Diabetic-Obese (db/db) Mouse. The Role of Non-Shivering Thermogenesis in Energy Balance 227

Tsurutani, T., s. Nakayama, T., et al. 59

Turek, Z., s. Frans, A., et al. 35

Vyskočil, F., s. Dlouhá, H., et al. 101

Walker, C. H. M., s. Thompson, J., et al. 197

Walter, G., s. Bünger, R., et al. 259

Warashina, A., s. Sakaguchi, T., et al. 283

Wareham, A. C., s. Oliver, J. R. 111

Warelas, J., s. Dengler, R., et al. 145

Welsch, J., s. Mason, J., et al. 233

Wetterer, E., s. Bauer, R. D., et al. 221

Yokota, H., s. Frans, A., et al. 35

Indexed in Current Contents